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EUROPEAN PATENT APPLICATION

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㉖ **Cationic metallocene catalysts based on triphenylcarbenium aluminum.**

㉗ Metallocene catalysts and their preparation and use in the polymerization of olefins. Specifically, the catalysts and processes relate to polymerization of olefins in which an aluminum ionizing agent containing a triphenylcarbenium ion is utilized in preparing the catalyst. The preparation of an olefin polymerization catalyst comprising a metallocene-type catalyst and triphenylcarbenium tetrahedral aluminate is disclosed.

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DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.CLS)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
5 X	WO-A-92 01723 (MITSUI TOATSU CHEMICALS INC.) & EP-A-0 500 944 (MITSUI TOATSU CHEMICALS INC.) * example 46 * * page 4, line 1 - line 21 * * page 8, line 35 - line 55 * * claims *	1-12, 15-24	C08F4/602
1 D, X	EP-A-0 423 100 (FINA TECHNOLOGY INC.) * column 5, line 44 - column 6, line 35 * * column 8, line 44 - line 50 * * column 17, line 27 - line 31 *	1-28	
4 A	EP-A-0 426 637 (FINA TECHNOLOGY INC.) * abstract; claims * * page 4, line 28 - line 56 *	1-28	
The present search report has been drawn up for all claims			TECHNICAL FIELDS SEARCHED (Int.CLS)
			C08F
Place of search THE HAGUE			Examiner Mettler, R-M
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document			
T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			